

TITLE: IMPROVEMENTS TO MANUALLY HELD DENTAL FLOSSERS

Inventor(s): Michael KOSSAK et al.

Docket No. 2093-002B

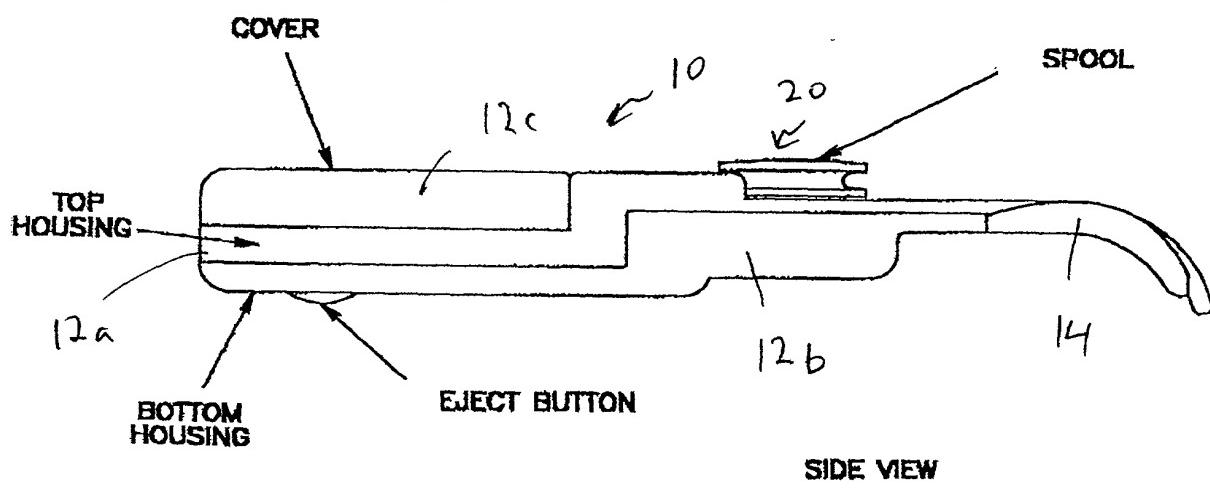
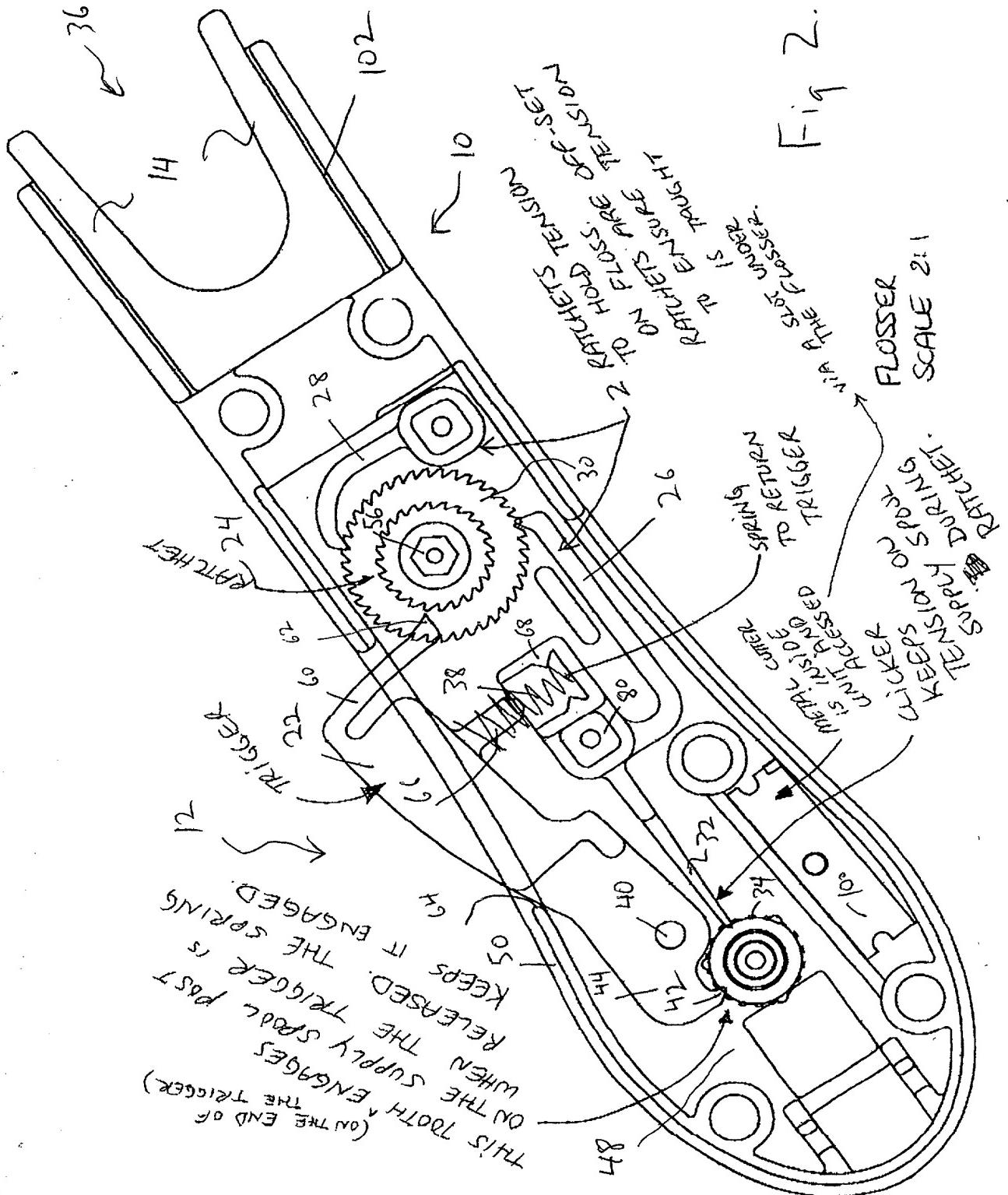


Fig. 1



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TITLE: IMROVEMENTS TO MANUALLY HELD DENTAL PLATES
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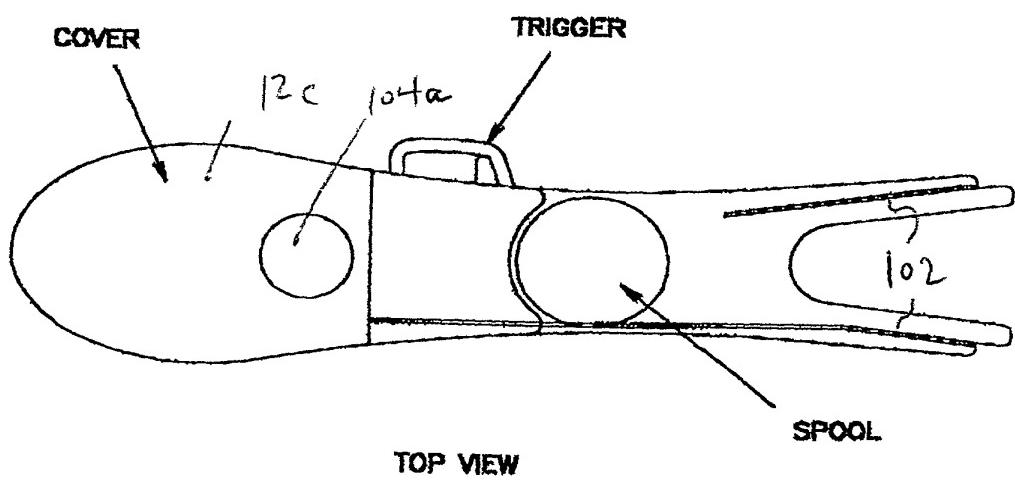


Fig 3

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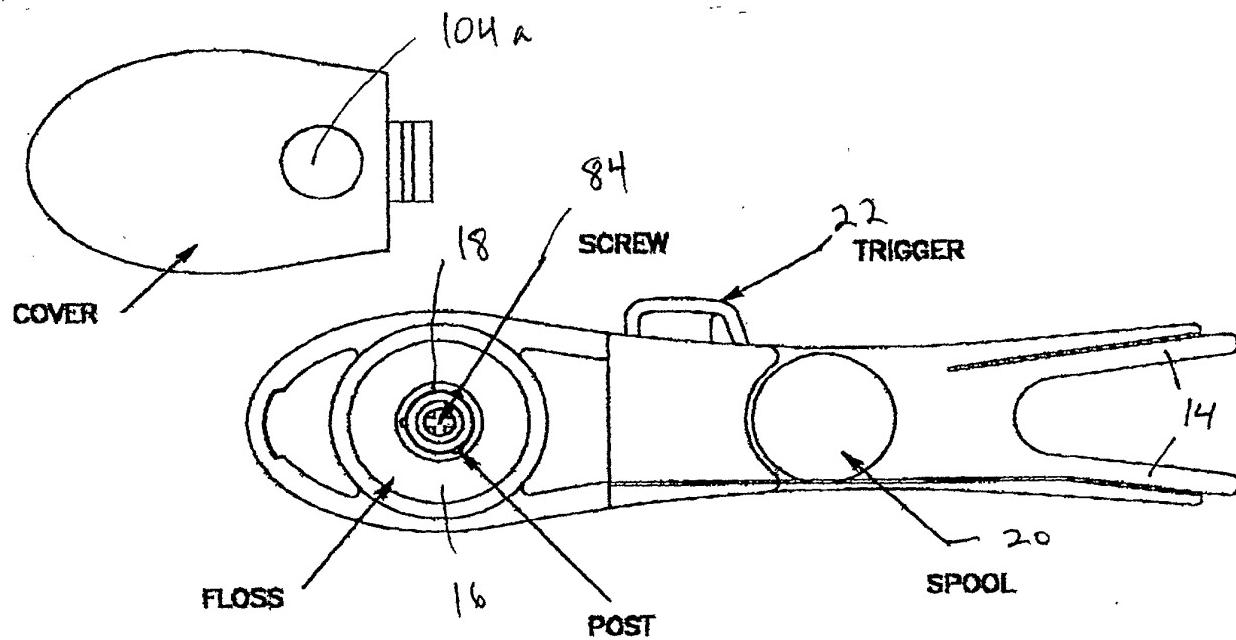


Fig. 5

TOP VIEW
COVER OFF

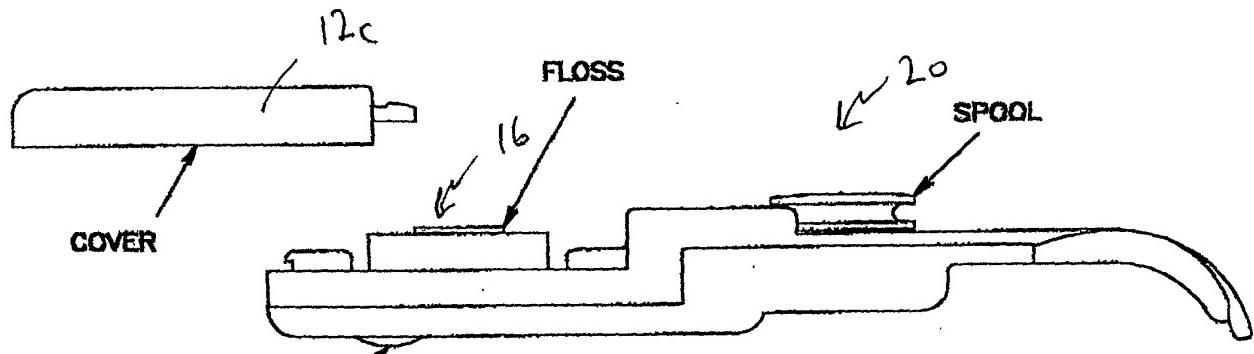


Fig. 4

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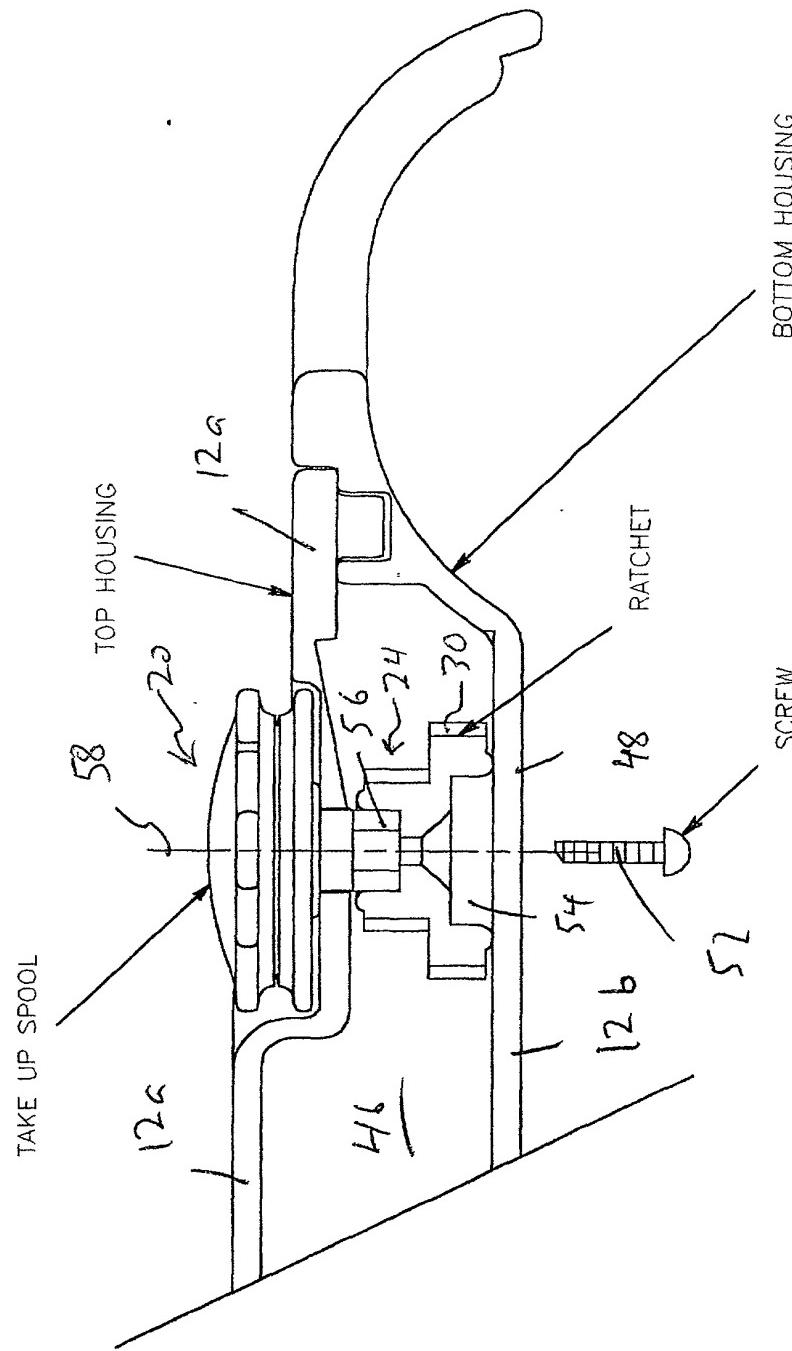


Fig 6

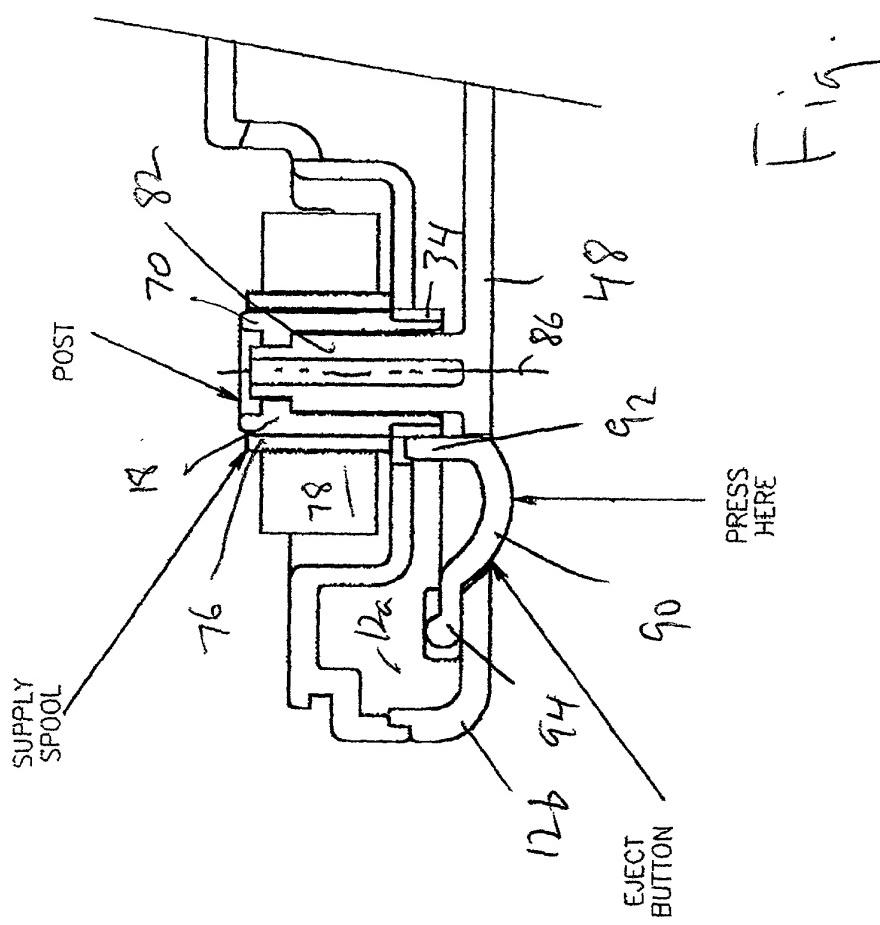
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EJECT BUTTON IS TRAPPED BETWEEN THE TOP AND BOTTOM HOUSING. IT IS ACCESSED FROM THE BOTTOM OF THE UNIT. WHEN THE BUTTON IS PRESSED, IT WILL ROTATE UP AND PUSH ON THE PLASTIC CORE OF THE SUPPLY SPOOL TO RELEASE IT FROM THE POST. IT IS INTENDED FOR THE SPOOL TO LIFT UP ENOUGH TO RELEASE THE FIT AND MAKE IT EASY FOR THE CONSUMER TO REMOVE THE SPOOL FROM THE POST.

Fig. 7



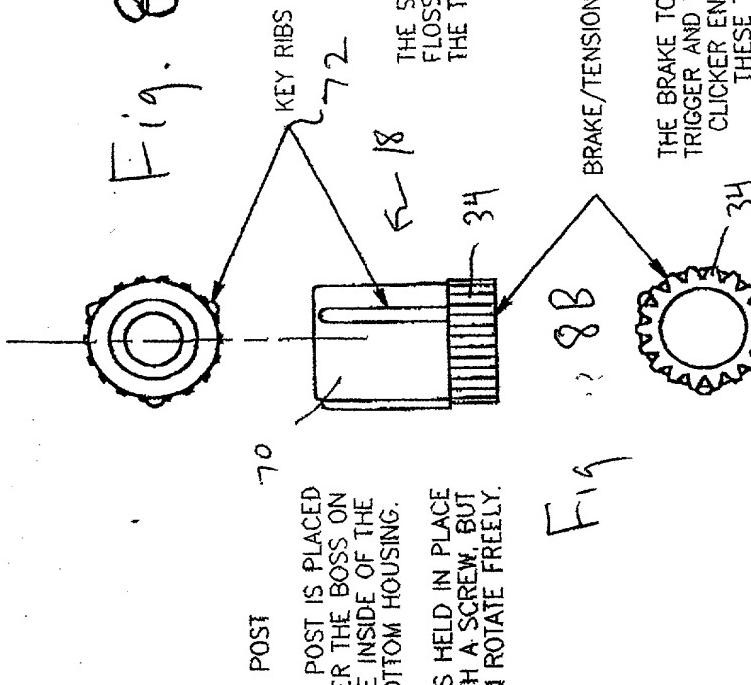
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Fig. 8C

SCALE 2:1



THE POST IS PLACED OVER THE BOSS ON THE INSIDE OF THE BOTTOM HOUSING. IT IS HELD IN PLACE WITH A SCREW, BUT CAN ROTATE FREELY.

THE SUPPLY SPOOL OF FLOSS IS PLACED OVER THE TOP OF THE POST.

BRAKE/TENSION TEETH

THE SUPPLY SPOOL IS PLACED OVER THE POST. THE KEYWAYS ON THE INSIDE DIAMETER ENGAGE WITH THE KEY RIBS, PREVENTING THE SPOOL FROM ROTATING ON THE POST.

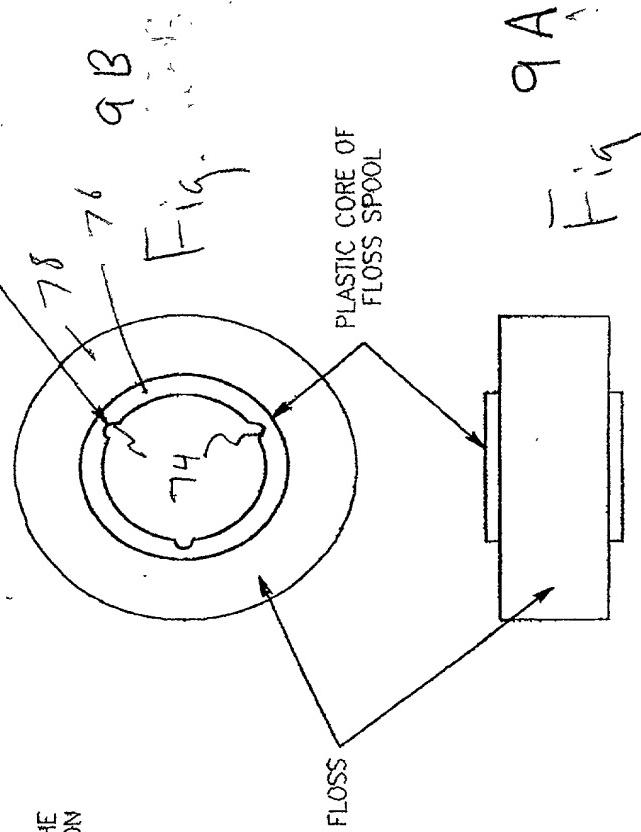
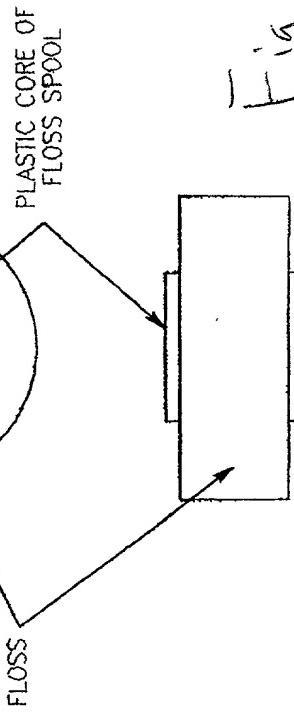


Fig. 8A

THE BRAKE TOOTH ON THE TRIGGER AND THE TENSION CLICKER ENGAGE WITH THESE TEETH.



SIDE VIEW

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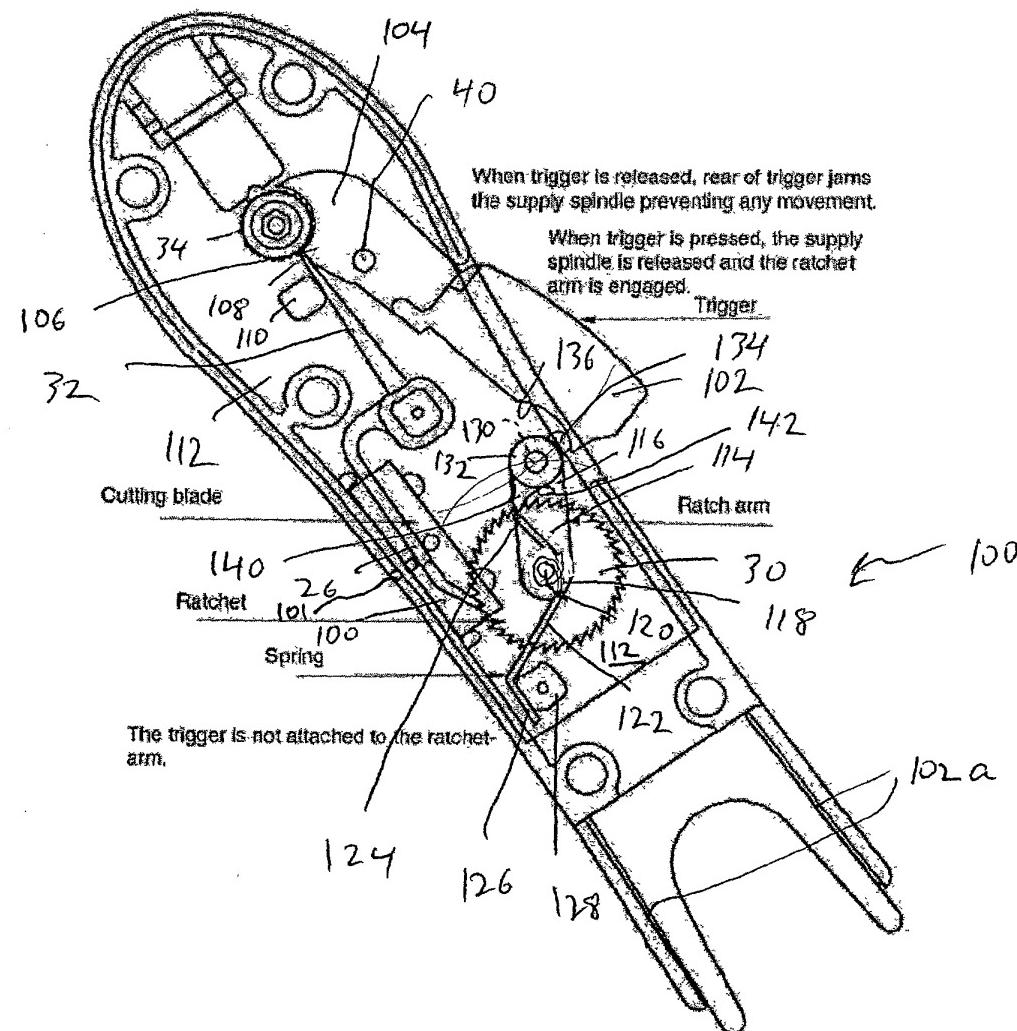


Fig. 1D

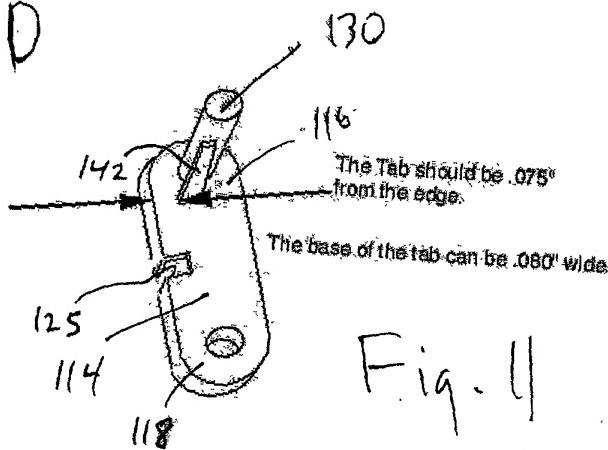


Fig. 1I